

STANDARD CONTROL WIRING NOTES

1. SHIELDS MUST BE GROUNDED AS SHOWN.

2. ALL SHIELDS MUST BE CARRIED CONTINUOUSLY THROUGH ALL TERMINAL BLOCKS AND MUST NOT BE TIED TO OTHER SHIELDS. UNLESS OTHERWISE SHOWN.

3. INPUT SIGNAL FROM OTHER SYSTEMS MUST BE ISOLATED FROM EARTH EITHER BY DESIGN OR EMPLOYMENT OF ISOLATION AMPLIFIERS.

4. UNLESS OTHERWISE SPECIFIED:

A. RELAYS SHOWN DE-ENERGIZED.

B. RELAYS ENERGIZE FOR FUNCTION.

C. RELAY CONTACT RATINGS:

12 CHANNEL RELAY BOX

RESISTIVE - 10A AT 28VDC
3A AT 150VDC
10A AT 115VAC 50/60HZ

INDUCTIVE - 3A AT 28VDC
1.2A AT 150VDC
6A AT 115VAC 50/60HZ
3A AT 240VAC 50/60HZ

16 CHANNEL RELAY BOX

RESISTIVE - 10A AT 28VDC
3A AT 150VDC
10A AT 115VAC 50/60HZ

INDUCTIVE - 3A AT 28VDC
1.2A AT 150VDC
6A AT 115VAC 50/60HZ
3A AT 240VAC 50/60HZ

32 CHANNEL RELAY BOX
10 - AMP

RESISTIVE - 10A AT 28VDC
3A AT 120VAC 50/60HZ

INDUCTIVE - 3A AT 28VDC
2A AT 120VAC 50/60HZ

32 CHANNEL RELAY BOX
5 - AMP

RESISTIVE - 5A AT 28VDC
2A AT 120VAC 50/60HZ

INDUCTIVE - 1.5A AT 28VDC
0.5A AT 120VAC 50/60HZ

LINKNET RELAY MODULE

RESISTIVE - 5A AT 28VDC
0.5A AT 120VAC 50/60HZ

5. CONFIRM EACH CONNECTION BEFORE OPERATING UNIT.

6. ALL ANALOG INPUTS MUST BE ISOLATED FROM EARTH GROUND.

7. CABLE WIRES ARE MARKED WITH COLORS DESIGNATED.

8. LETTERS IN PARENTHESES INDICATE LOWER CASE LETTERS ON CONNECTORS.

9. UNLESS OTHERWISE SPECIFIED, ALL WIRE IS (WHT) 18GA. 600V CRC WIRE (2007-437) WITH THE EXCEPTION OF EARTH GROUND, WHICH IS GREEN.

10. UNLESS OTHERWISE SPECIFIED, FOR SHIELDS USE:

2008-053 20 GA 1 CONDUCTOR SHIELDED WIRE

2008-055 20 GA 2 CONDUCTOR SHIELDED WIRE

2008-057 20 GA 3 CONDUCTOR SHIELDED WIRE

2008-089 20 GA 4 CONDUCTOR SHIELDED WIRE

11. MEASURE INDIVIDUAL WIRES TO LENGTH AND INSTALL ON CORRESPONDING TB POSITION PER THIS DOCUMENT.

12. SECURE CABLE ASSYS TO TIE POINTS AND SIDE MTG ANGLES USING 1609-569 TIE STRAPS.

13. USE 9963-795 AND CABLE INDEX OF THIS DOCUMENT FOR CABLE IDENTIFICATION.

14. UNLESS OTHERWISE SPECIFIED, FOR JUMPERS USE 1609-529.

15. ALL WIRES TO TERMINAL BLOCKS SHALL HAVE WIRE MARKERS; MARKED WITH IDENTIFYING TB NUMBER.

16. CUSTOMER SUPPLIED EQUIPMENT.

17. WHERE SHIELDS REQUIRE WIRE NUMBERS, SOLDER SHIELD END TO A WIRE STUB AND NUMBER STUB.

18. MAXIMUM EXTERNAL RESISTANCE, WIRE PLUS CONTACTS, IS 900 OHMS

19. ALL UNUSED INDIVIDUAL WIRE ENDS (INCLUDING THOSE IN SHIELDED CABLES) TO BE FOLDED BACK AND COVERED WITH SHRINK TUBING.

20. SOLID WIRES ARE INSTALLED IN THE CABINET
DASHED WIRES ARE INSTALLED IN THE FIELD

21. UNUSED WIRES MAY BE PRESENT IN PREFABRICATED CABLE ASSEMBLIES AND SHOULD BE PROPERLY INSULATED IF NOT USED

22. COLD JUNCTION COMPENSATION IS ACCOMPLISHED BY MEANS OF AN AD590 TEMPERATURE SENSOR MOUNTED ON THE FIELD TERMINAL MODULE. NO CUSTOMER CONNECTION REQUIRED

23. ALL FIELD TERMINAL MODULES ARE TO BE GROUNDED USING WOODWARD ITEM NUMBER 1604-813 SECTIONAL EARTH GROUND TERMINAL

24. ON SHIELDED TWISTED PAIR, THE BLUE/WHITE WIRE WILL BE THE POSITIVE AND THE WHITE WIRE WILL BE THE NEGATIVE.

25. CONDUCTORS WILL USE THE FOLLOWING:

2007-787 14 GA. RED (+)

2007-753 14 GA. BLK (H/-)

2007-725 14 GA. WHT (N)

2007-729 14 GA. GRN (GND)

26. USE: 2007-735 12 GA WHT (N)

2007-769 12 GA BLK (H/-)

2007-767 12 GA RED (+)

2007-727 12 GA GRN/YEL (GND)

27. GROUND SHEILD AS CLOSE TO THE DEVICE AS POSSIBLE.

28. CONNECTION LAYOUT FOR GE MODEL 12HGA11S56.
WGC P/N 1730-325

29. USE 1606-353 BRIDGING SCREWS (RED)

30. USE 1606-349 BRIDGING SCREWS (BLK)

31. USE 1606-351 BRIDGING SCREWS (GRY)

32. USE 1606-355 BRIDGING SCREWS (BLU)

33. GROUND CHASSIS TO GROUNDING BAR

34. USE: 2007-229 10 GA. WHT
2007-207 10 GA. BLK
2007-205 10 GA. RED
2007-217 10 GA. GRN/YEL

35. USE 1606-649 BRIDGING

36. CPU EMI DB9 RS232 ADAPTER KIT (8928-096) IS USED WHEN COMMUNICATING THROUGH THE RS232 PORT ON A MICRONET CPU (WGC P/N 5501-470)

37. ALL DEVICES AND CONTACTS ARE REPRESENTED ON THIS DRAWING IN THE CONDITION THEY ASSUME AT UNIT SHUTDOWN, NO POWER APPLIED.

38. INDICATES CONTINUOUS WIRE RUN TO GROUNDING BAR.

39. ALL MOUNTING PANELS, DOORS, SIDES, AND TOP MUST BE GROUNDED.

EXTERNAL CONNECTIONS REVISED TO CONFORM TO ENGINEERING STANDARDS

NOTES SHEET

			LOVELAND COLORADO USA	
TITLE DIAGRAM CONTROL WIRING - FREMONT, NEBRASKA HONEYWELL				
SIZE D	CAGE CODE ØTFM1	DWG NO 9971 - 539	REV B	
SCALE NTS		SHEET 2 OF 24		

AUTOCAD